

Web and Grid Services

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<http://www.ivoa.net/twiki/bin/view/IVOA/WebgridTutorial/>



Introduction

- **The main goal of this tutorial is to give answers to the following questions :**
 - **How to consume a Web Service ?**
 - **How to build a Web Service ?**
 - **How does it work on the server side ?**
- **This tutorial is not a lecture about SOAP, WSDL, ... but we can start with a quick reminder**



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Basics

- **SOAP, Simple Object Access Protocol**
 - XML based
 - The dialog format between a Client and a Web Service
- **WSDL, Web Service Description Language**
 - XML based
 - The recipe which contains information to implement a client (remember CORBA OMG-IDL)
- **Notice : SOAP and WSDL are manipulated with tools, it is not mandatory the learn this two formats...**



Program

- **How to Consume Web Services in C# and Java, Tamas and André**
- **How to Implement a Client Program in Java or Other Scripting Languages to Use the VO Statistics Web Service, Matthew**
- **How to Build a Java or C# Client for a Registry Web Service, Wil**
- **How to Build C# and Java Clients for the SDSS Image Cutout, Maria**
- **How to Build a Java Client for a Grid Service Using Globus Toolkit 3, Globus, Guy**
- **Inside the server, André**



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